

FIG. 1

FIG. 2A

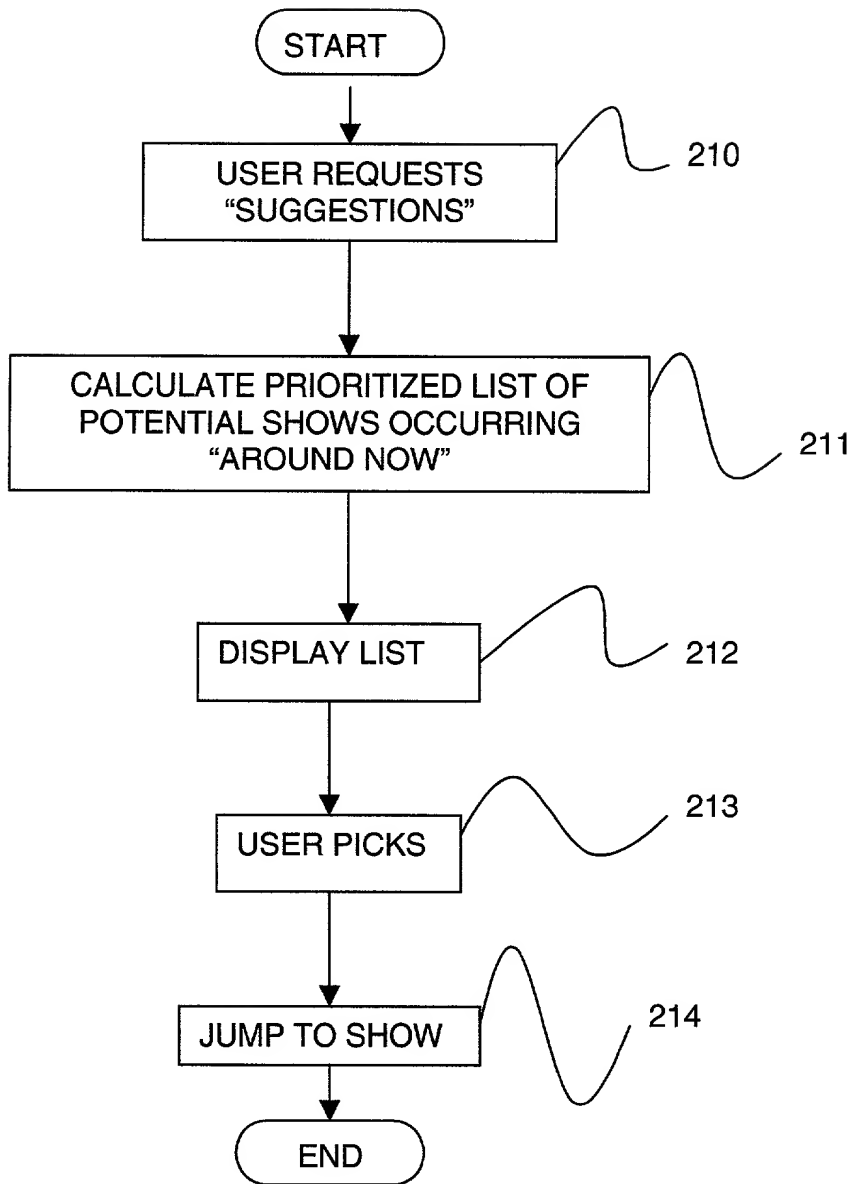


FIGURE 3A

Simple list – sorted by final suggestion strength. For Oct 17, 2000 8:55 pm

1. Presidential Debate (starts in 5mins), ABC-7
2. Baseball Playoffs, Yankees v. Mariners (started at 8), NBC-4
3. X-Files (starts in 5 mins), FX-63
4. Cops (starts in 5 mins), KTBC-64
5. Dark Angel (starts in 5 mins), Fox-5

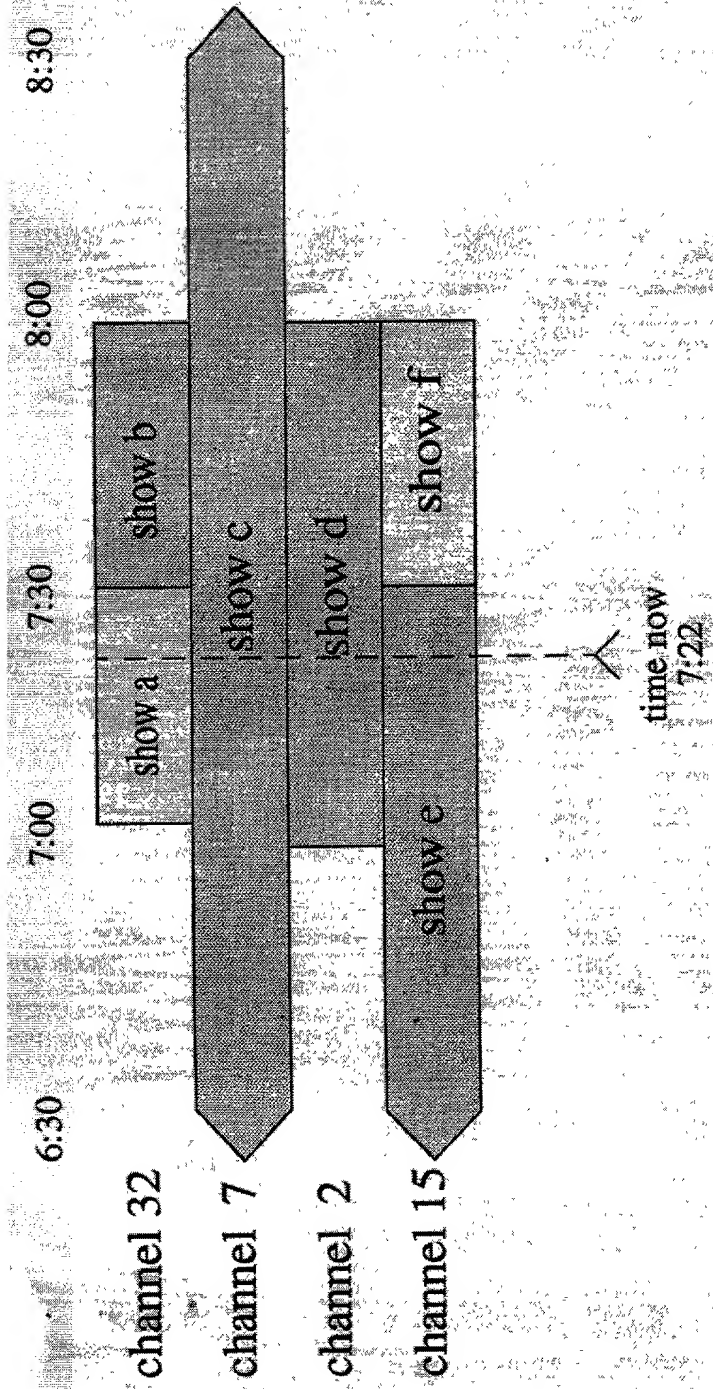


FIG. 3B

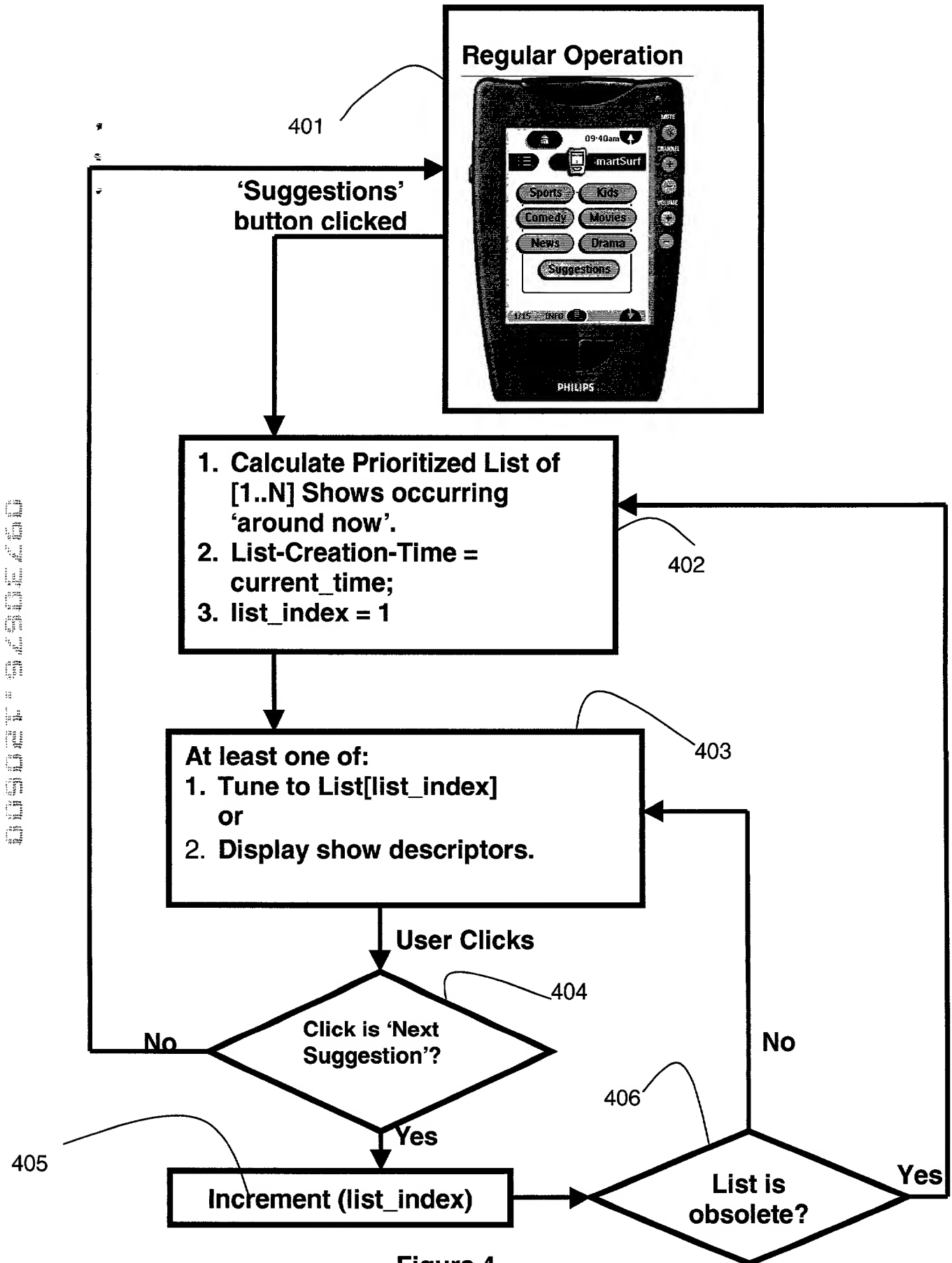


Figure 4

FIG. 5

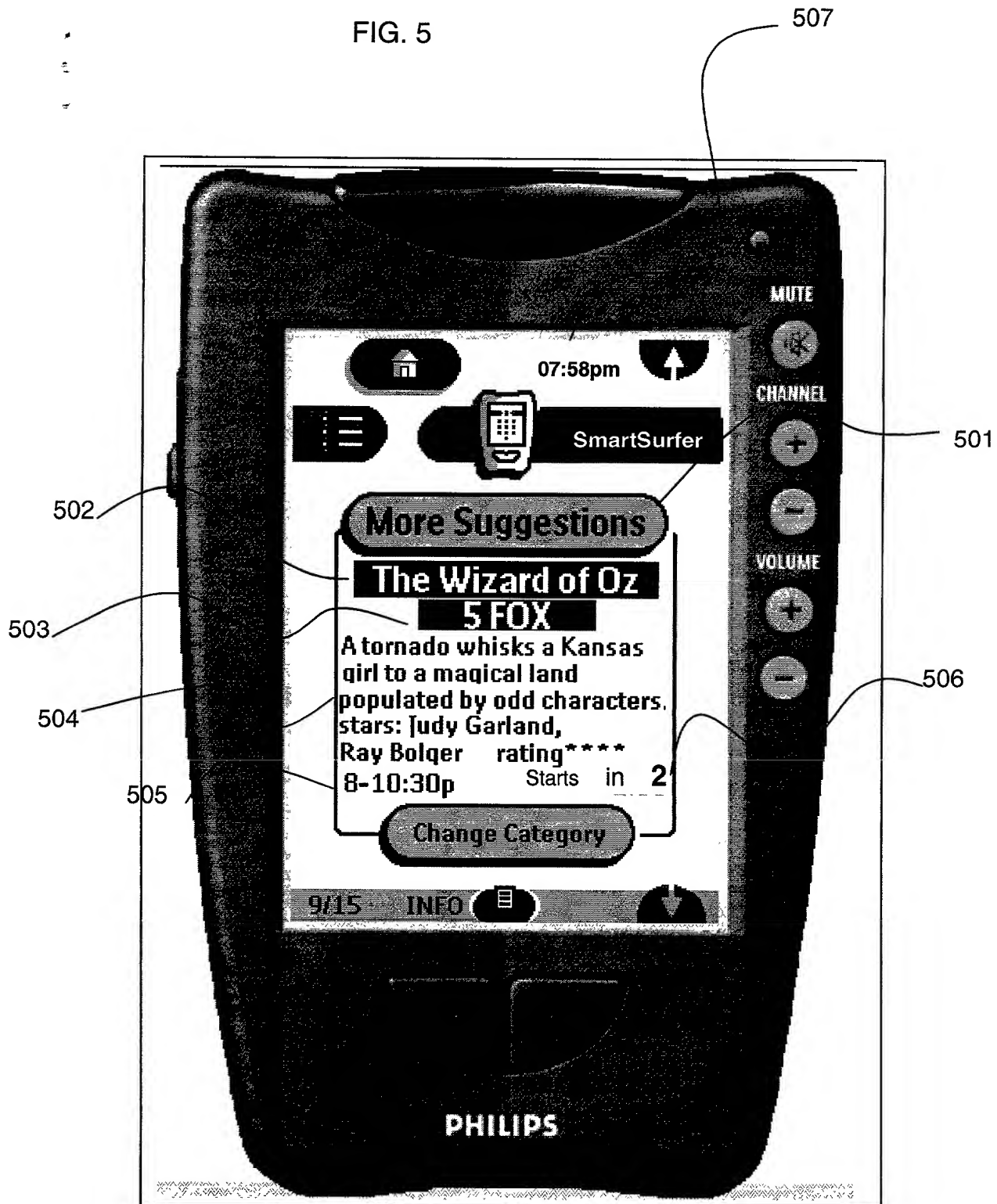


FIG. 6

$$w = f(\text{current_time}, \text{start_time}, \text{end_time}, \text{length}) \quad (1)$$

$$\text{final_recommendation} = w * \text{nominal_recommendation}(\text{personal_profile}) \quad (2)$$

$$\text{nominal_recommendation}(\text{user_selected_category}) = \begin{cases} 1 & \text{if user_selected_category} \\ & \text{included in event's descriptive} \\ & \text{categories} \\ 0 & \text{otherwise} \end{cases} \quad (3)$$

$$w = f(\text{current_time}, \text{start_time}, \text{end_time}) = \begin{cases} 1 & \text{if } \left\{ \begin{array}{l} \left(\text{current_time} > \text{start_time} - \right. \\ \left. \text{waiting_threshold_time} \right) \\ \text{and} \\ \left(\text{current_time} < \text{end_time} - \right. \\ \left. \text{undesirable_show_ending_threshold_time} \right) \end{array} \right\} \\ 0 & \text{otherwise} \end{cases} \quad (4)$$

$$w = f(\text{current_time}, \text{start_time}, \text{end_time}) = \begin{cases} 1 - \frac{\text{start_time} - \text{current_time}}{\text{start_time} - \text{waiting_threshold_time}} & \text{if } \left(\text{current_time} > \text{waiting_threshold_time} \right. \\ & \left. \wedge \text{current_time} \leq \text{start_time} \right) \\ 1 - \frac{\text{current_time} - \text{start_time} \wedge}{\text{end_time} - \text{start_time}} & \text{if } \left(\text{current_time} > \text{start_time} \wedge \right. \\ & \left. \text{current_time} < \text{end_time} \right) \\ 0 & \text{if } \left(\text{current_time} \leq \text{waiting_threshold_time} \right. \\ & \left. \vee \text{current_time} \geq \text{end_time} \right) \end{cases} \quad (5)$$

$$\text{final_recommendation_function} \left(\begin{array}{c} \text{current_time}, \\ \text{start_time}, \\ \text{length}, \\ \text{nominal_recommendation} \end{array} \right) \quad (6)$$

FIG. 7

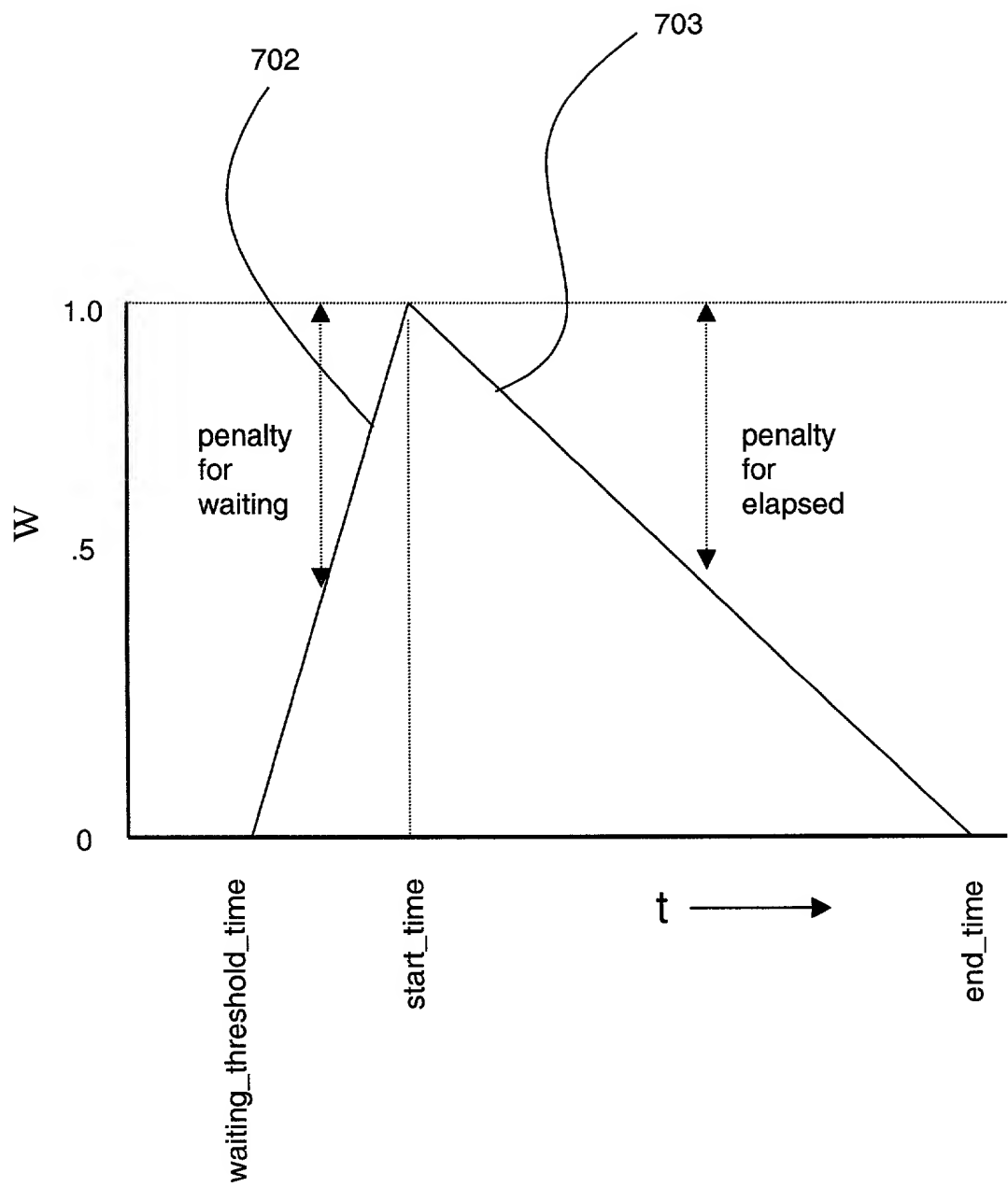


FIG 8A

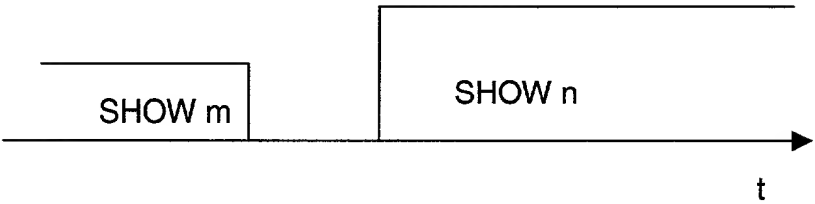


FIG. 8B

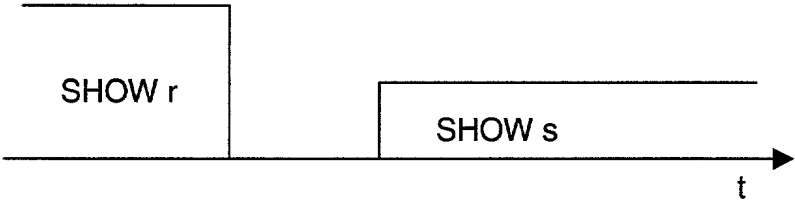


FIG. 9A

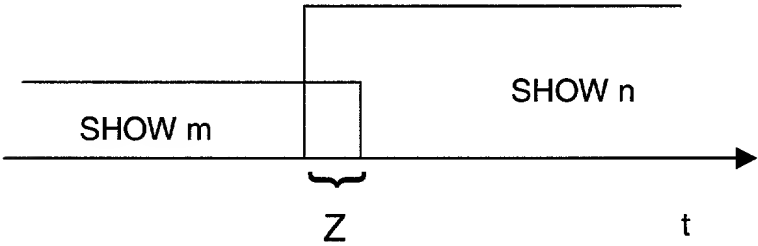


FIG. 9B

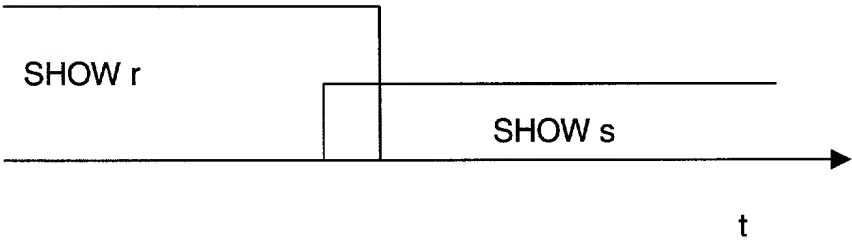


FIG. 10A

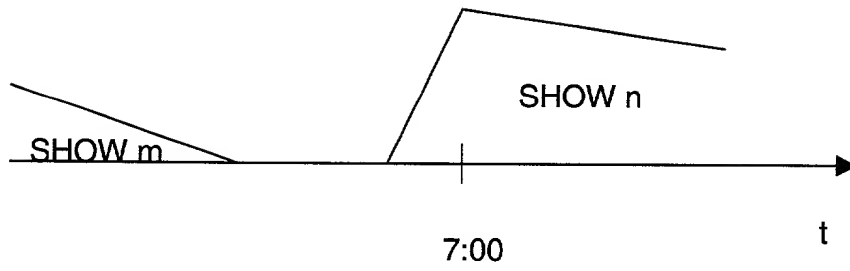


FIG. 10B

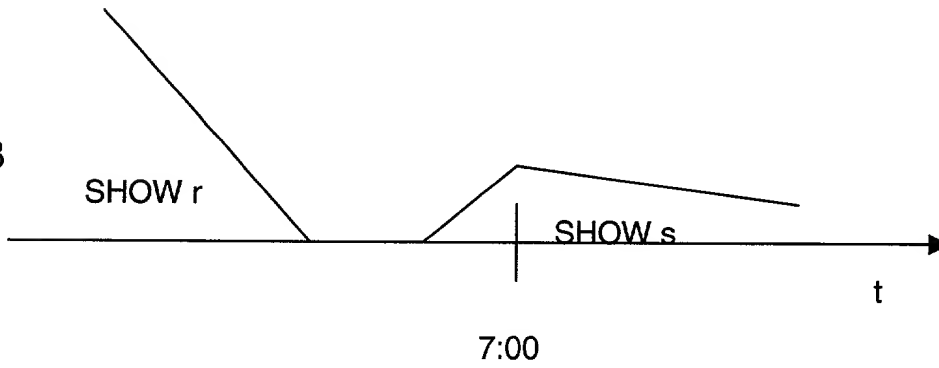


FIG. 11A

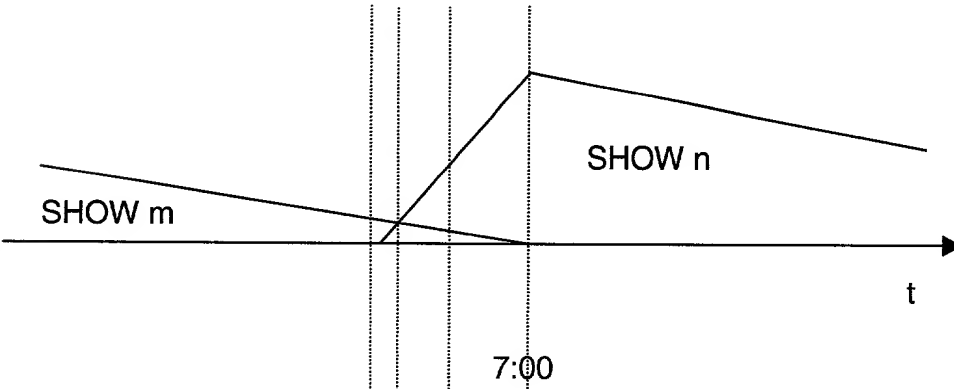


FIG. 11B

